

IGBT Based Current Control Circuit for IR Lamp

- Active low pulse on the IGBT Switch, allows current flow (T0).
- The lamp is triggered during this active window (T1)
- The current is cut off as the IGBT is turned off (T2)

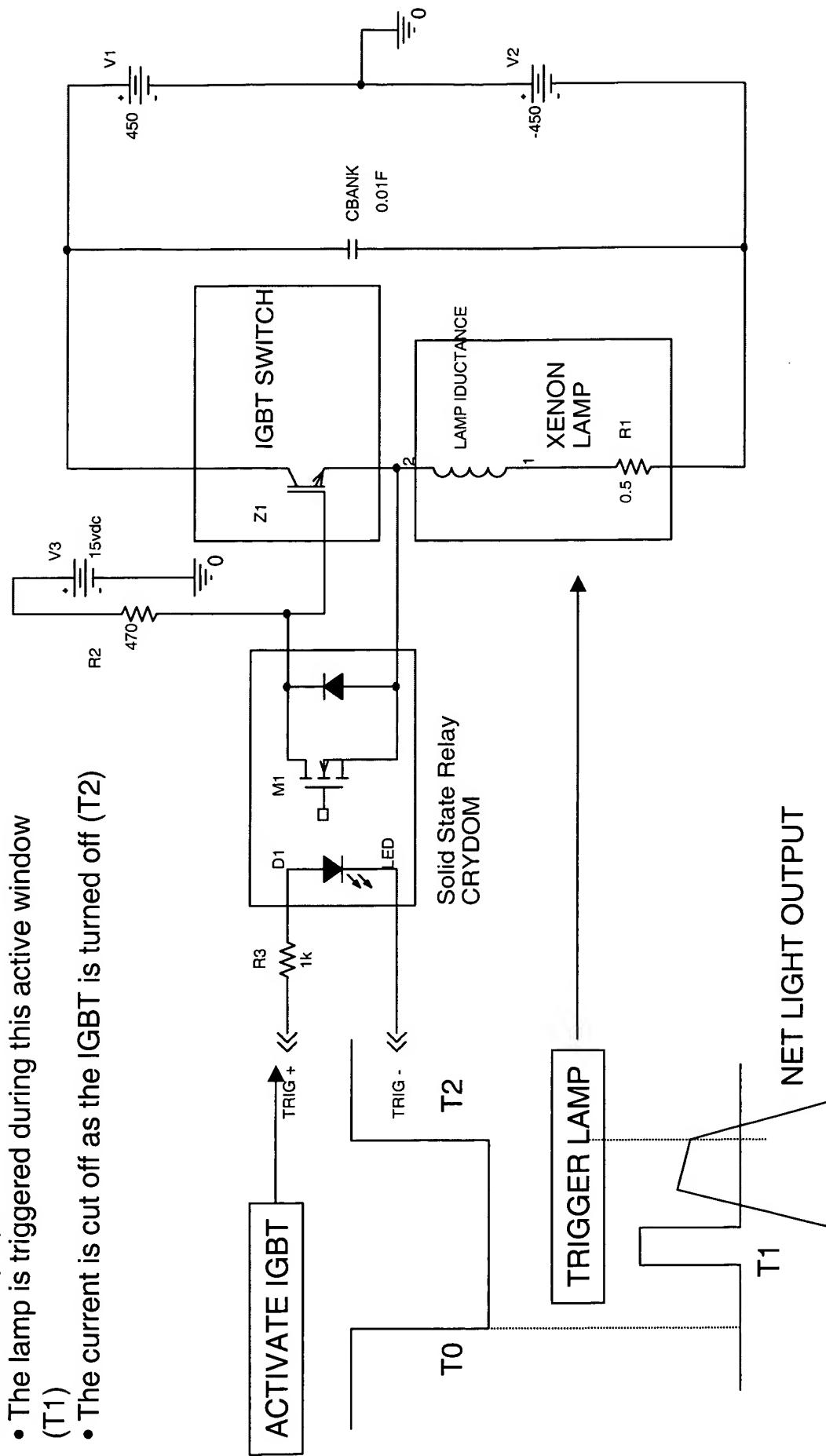


Fig.1

LAMP DECAY WITH NO IGBT IN
CIRCUIT - full decay

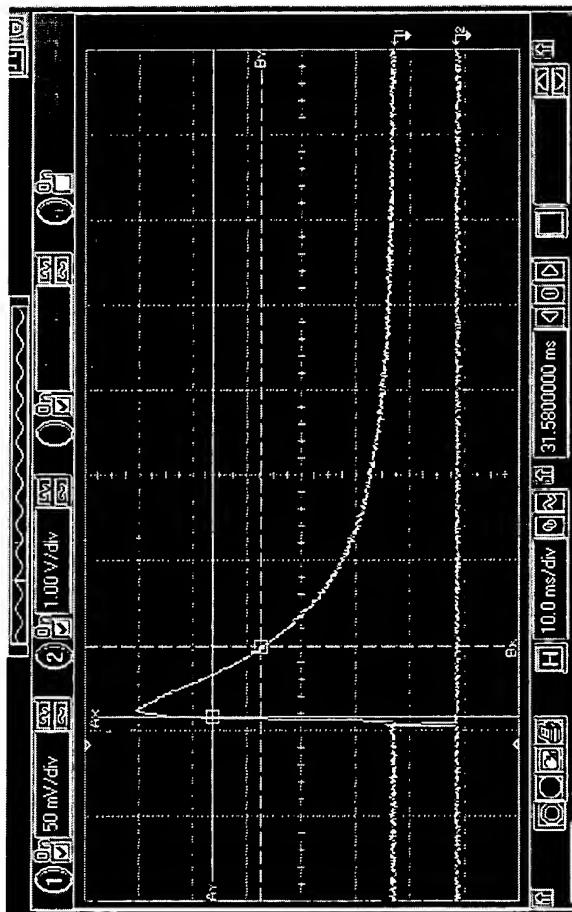


Fig. 2

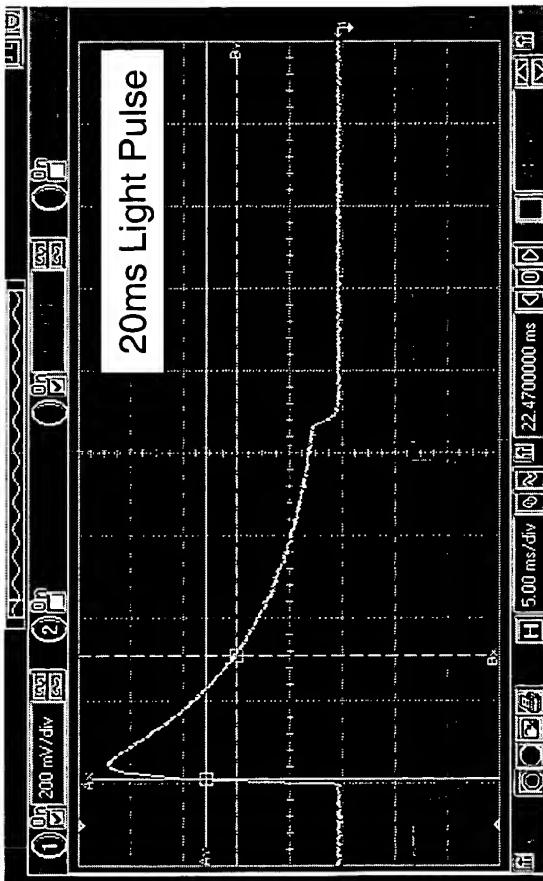


Fig 3.

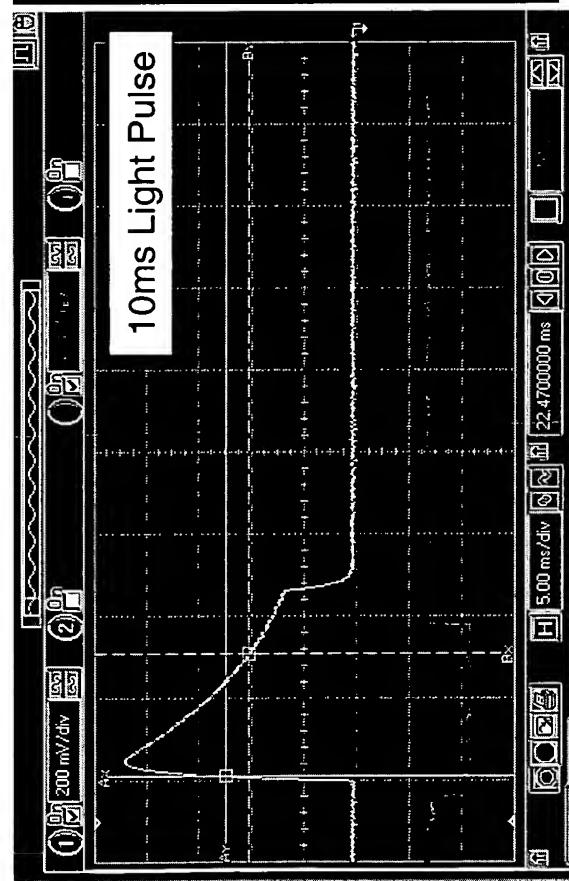


Fig 4.

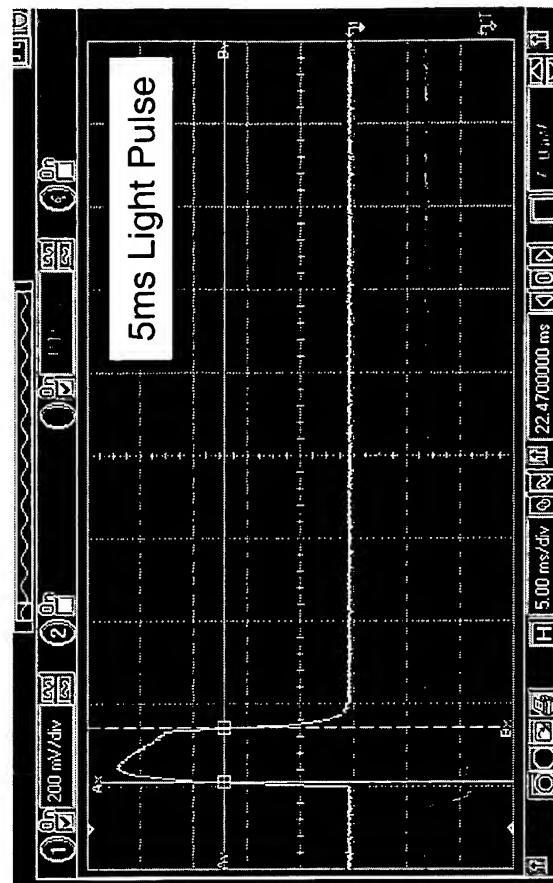


Fig 5.

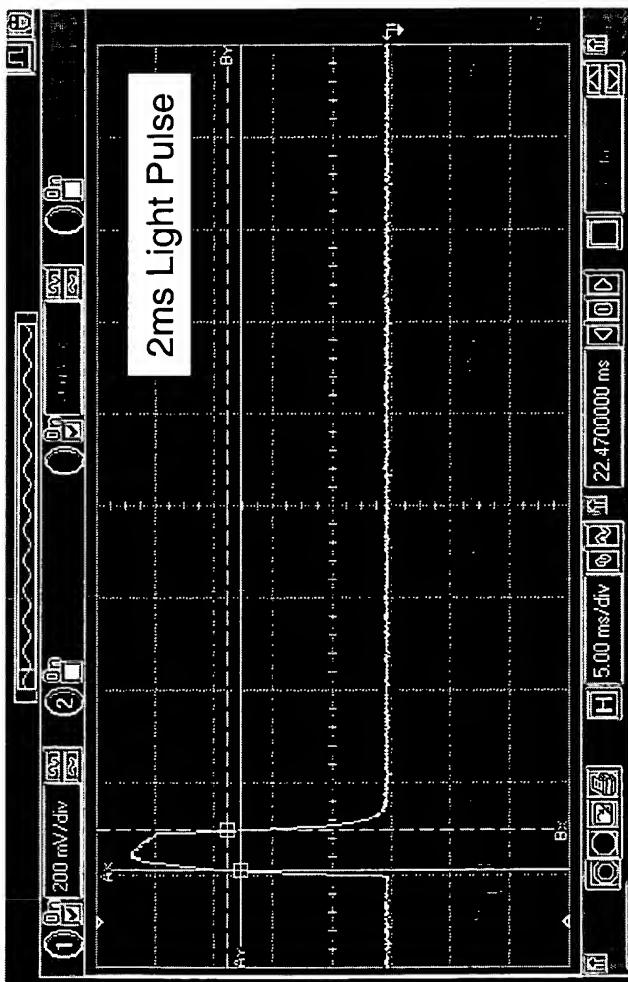


Fig 6.

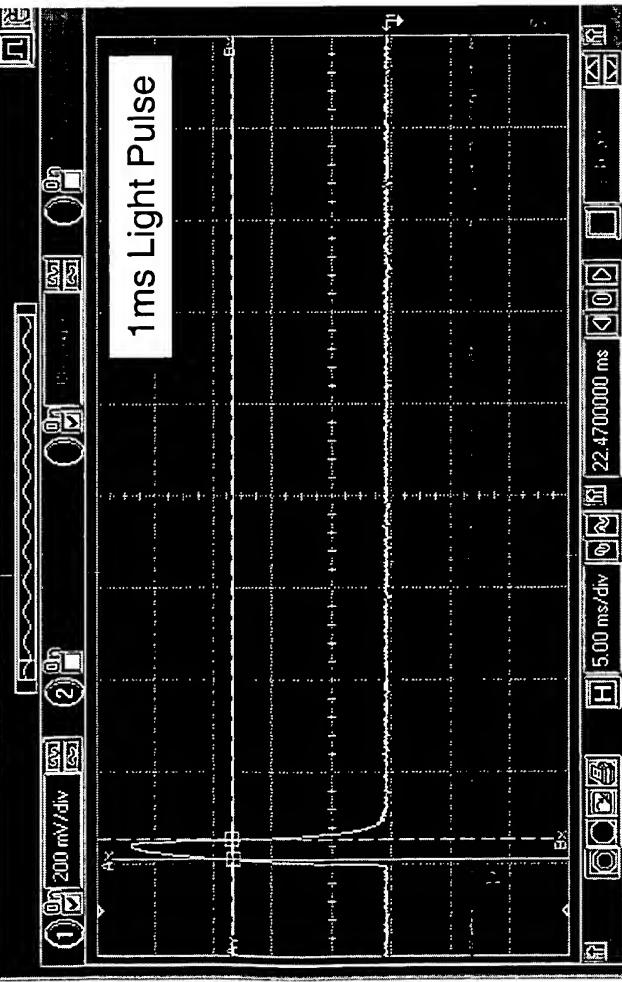


Fig 7.

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